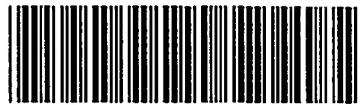


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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/705,716A

DATE: 07/28/2004
TIME: 10:09:24

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1 <110> APPLICANT: Robinson, John Allen
2 Stojanovic-Susulic, Vedrana
3 Babij, Philip
4 Murrills, Richard John
5 <120> TITLE OF INVENTION: A Novel PTH Responsive Gene
6 <130> FILE REFERENCE: AM100401

C--> 7 <140> CURRENT APPLICATION NUMBER: US/10/705,716A
8 <141> CURRENT FILING DATE: 2003-11-10
9 <150> PRIOR APPLICATION NUMBER: US 60/425,532
10 <151> PRIOR FILING DATE: 2002-11-12
11 <160> NUMBER OF SEQ ID NOS: 63
12 <170> SOFTWARE: PatentIn version 3.2
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 2146
16 <212> TYPE: DNA
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21	ggacccggga gaccgatcc acctggctca cctacaccga ctggacgcgc ctggccagcg	180
22	ccgcagccac ggacagccgc cccgaggcgg gcggcctgca cgcgggtgtg ctggaaagacg	240
23	ggccgtcctc taacgggtgt ctccgacctg cagccccagg tgaatagcc aacccagaga	300
24	agaagatgaa ctgtgggacc caatgtccca actcacagag cctcagctca ggcctctga	360
25	cccagaagca gaatggcctt tggaccacag aggctaaaag ggtatgccaag cgaatgtctg	420
26	caagagaagt cgctatcagc gtacacagaga atatccggca gatggacacaga agtaaaagg	480
27	tcacaaaagaa ctgcataat tagcagtgtc tgggtgtgaa agcacatgaa cttctttgt	540
28	gcgtccagtc aaagaatatt gaagaagtgg gtgtcactca ctgaacgtgg atgcctctga	600
29	gcgacgcacg gccacccacg cggtaacgcac catcccggtt tcctgtttat cacatacaga	660
30	aaatacatcg aaaagtccctg gaatatgttc acagattgcc aaactatggt ttgttttcc	720
31	tctctgcagc ttccgtagca gggctgtctg taaccatggt gaagccccgtg ggcctgtgaa	780
32	tgaatattgg aatccccccgg gcaaggagct cacgctagcg tagaaatttc acagtgcgtg	840
33	gtttcggaca agctcccttt tcctccttcc tttttaaata cggccattgt tttcaacttaa	900
34	gagctggctc tcaccaactc taaactcaaa aatacaagaa tcagagaaac agagagactc	960
35	agaatgagat tcatcagtcc tagttcacg tgctgactcc cccgtgccta tgcgggtgcct	1020
36	tttaggagggtg tctatgacac acacacacac acacacacac acacacacac acacacacac	1080
37	acacacctgt tcctcctcta cctggaaagg tctcccgacgc tggcatcagg cattggcttc	1140
38	cgaatcacaa tgtcacatgt ttggggccct tgcacccaaac ctgcacccgc tttggacct	1200
39	agctccatgt ggctttttcc atagctttct agtccctgt tcttctcatg gactttgtac	1260
40	tccagtccagg tcatttgcag ctgtaatcaa agactggaca ccactcccg ggaaagggtga	1320
41	ccttaggaaca catggtgaca cacacgatgc ccccttggcc tttctgtaca cagccccaaag	1380
42	gaccgtgtta ttttggatc tgcaaagcaa ttagtttggaa aagccagagc ctgggtgtatg	1440
43	tatattcctg ctgacatcag accaagaagg cactgtattg gaaaggcaggc agccaacaca	1500
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 63 20 25 30
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 65 35 40 45
 66 Gly Gly Leu His Ala Gly Val Leu Glu Asp Gly Pro Ser Ser Asn Gly
 67 50 55 60
 68 Val Leu Arg Pro Ala Ala Pro Gly Gly Ile Ala Asn Pro Glu Lys Lys
 69 65 70 75 80
 70 Met Asn Cys Gly Thr Gln Cys Pro Asn Ser Gln Ser Leu Ser Ser Gly
 71 85 90 95
 72 Pro Leu Thr Gln Lys Gln Asn Gly Leu Trp Thr Thr Glu Ala Lys Arg
 73 100 105 110
 74 Asp Ala Lys Arg Met Ser Ala Arg Glu Val Ala Ile Ser Val Thr Glu
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 78 Asn
 79 145
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 81 <211> LENGTH: 2847
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 84 <400> SEQUENCE: 3
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 87 agccgcgc agagccgaca gcccggcagc cgctggcgcc tcccgccgc caggaggatg 180
 88 ggctgcggcg ggagccggc ggatgccatc gagcccgct actacgagag ctggaccgg 240
 89 gagacagaat ccacctgct cacc tacacc gactcgacg cggcccccag cggccggcc 300
 90 ccggacagcg gccccgaagc gggcgccctg cactcgccca tgctgaaaga tggactgccc 360
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 92 aactgtgaga cccagtgccc aaatccccag agcctcagct caggccctct gacccagaaa 480
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148      50          55          60
149  Val Pro Arg Ser Thr Ala Pro Gly Gly Ile Pro Asn Pro Glu Lys Lys
150      65          70          75          80
151  Thr Asn Cys Glu Thr Gln Cys Pro Asn Pro Gln Ser Leu Ser Ser Gly
152      85          90          95
153  Pro Leu Thr Gln Lys Gln Asn Gly Leu Gln Thr Thr Glu Ala Lys Arg
154      100         105         110
155  Asp Ala Lys Arg Met Pro Ala Lys Glu Val Thr Ile Asn Val Thr Asp
156      115         120         125
157  Ser Ile Gln Gln Met Asp Arg Ser Arg Arg Ile Thr Lys Asn Cys Val
158      130         135         140
159  Asn
160  145
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169  gccccggaca gcggccccga agcggggcggc ctgcactcgg gctaaaagag atgctaagag      180
170  aatgcctgca aaagaagtca ccattaatgt aacagatagc atccaacaga tggacagaag      240
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182  Ser Asp Ala Pro Pro Ser Ala Ala Ala Pro Asp Ser Gly Pro Glu Ala
183  35         40         45
184  Gly Gly Leu His Ser Gly
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188 <211> LENGTH: 1988
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190 <213> ORGANISM: Mouse
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194  agacggagtc cacctggctc acctacacccg actcgacgc gctgcccagc gcccagcca      180
195  cggacagcgg ccccgaggcg ggcggcctgc acgcgggtgt gctgaaagac ggactgtcct      240
196  ctaacgggggt gctccgacct gcagccccgg gtgaaatagc caacccagag aagaagatga      300
197  actgtgggac ccaatgtccc aactcacaga acctcagctc aggcctctg acccagaaac      360

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201	caaagaatcc	tgaagaagtt	gatgtcactc	gatgagtgtg	gatgcctctg	agtgacacac	600
202	ggccacccaa	cgctgtgacg	aacatctcg	tttcctgtt	atcacatata	gaaaatacat	660
203	cgaaaagtcc	tgaaaatatgt	tcatagattt	ccaaaatgtg	gtttgtttt	tcccctctgc	720
204	agcttccata	gcatggctg	ctgtagccat	ggcgactggc	acagaaaggc	tggagtaacg	780
205	gaatccctgt	caaggagctc	acactcgtgc	agagcttct	cagtgtgtg	ttgcagacaa	840
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207	aagagctggc	tcccagccaa	ctctaaatcc	agaaatacaa	gaatccaaaa	aaccagagag	960
208	actcggaaacg	agctgaatca	gtcccgagtt	cacgtgtgg	ctccccgggt	cctactcggt	1020
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222	tacagtaaca	gtcgcagagg	gatttggagt	cgggaaagtca	cgactgtact	tctgactctg	1860
223	tgaggaggct	tggtaactcag	gagactgaca	cgaccctgt	ggcacaagac	caatgattgc	1920
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228 <211> LENGTH: 145

229 <212> TYPE: PRT

230 <213> ORGANISM: Mouse

231 <400> SEQUENCE: 8

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235											20	25			30		
236	Ser	Asp	Ala	Leu	Pro	Ser	Ala	Ala	Ala	Thr	Asp	Ser	Gly	Pro	Glu	Ala	
237											35	40			45		
238	Gly	Gly	Leu	His	Ala	Gly	Val	Leu	Glu	Asp	Gly	Leu	Ser	Ser	Asn	Gly	
239											50	55			60		
240	Val	Leu	Arg	Pro	Ala	Ala	Pro	Gly	Gly	Ile	Ala	Asn	Pro	Glu	Lys	Lys	
241											65	70			75		80
242	Met	Asn	Cys	Gly	Thr	Gln	Cys	Pro	Asn	Ser	Gln	Asn	Leu	Ser	Ser	Gly	
243											85	90			95		
244	Pro	Leu	Thr	Gln	Lys	Gln	Asn	Gly	Leu	Trp	Ala	Thr	Glu	Ala	Lys	Arg	
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VERIFICATION SUMMARY

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